

ORDER NO. SD0509U48C1

E6

Service Manual

Wet/Dry Rechargeable Shaver

ES8075-U1 / ES8077-U1 / ES8078-U1



SPECIFICATIONS

Power source
Power consumption
Motor voltage
Charging time
Shaves per charge
Measurement
Weight

SPECIFICATIONS

AC 100-240V, 50-60Hz (Automatic voltage conversion)
Approx. 5W
3.6V DC
1 Hour
14 times (3 minutes shave)
(H)15.3 x (W)6.2 x (D)4.6 cm
180g (without protective cap)

Supplied accessory

Self-cleaning recharger

© 2005 Matsushita Electric Works, Ltd. All rights reserved.
Unauthorized copying and distribution is a violation of law.

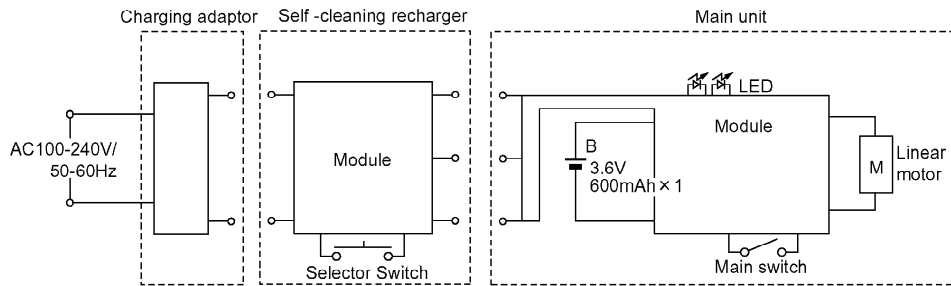
WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

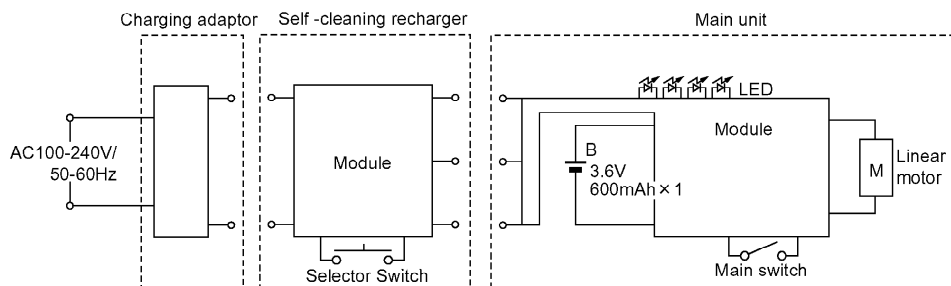
Panasonic®

1. SCHEMATIC DIAGRAM

1.1. ES8075



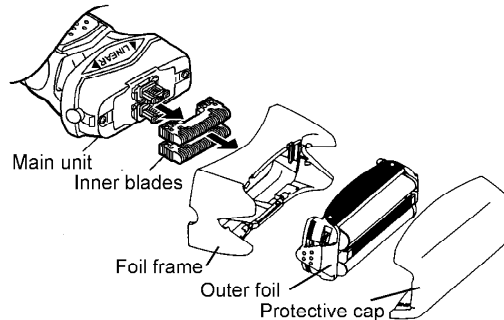
1.2. ES8077/ES8078



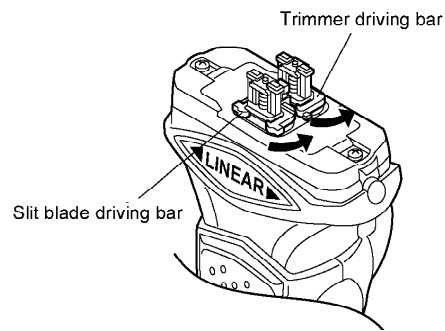
2. DISASSEMBLY INSTRUCTIONS

Follow the procedure below to disassemble the main unit.

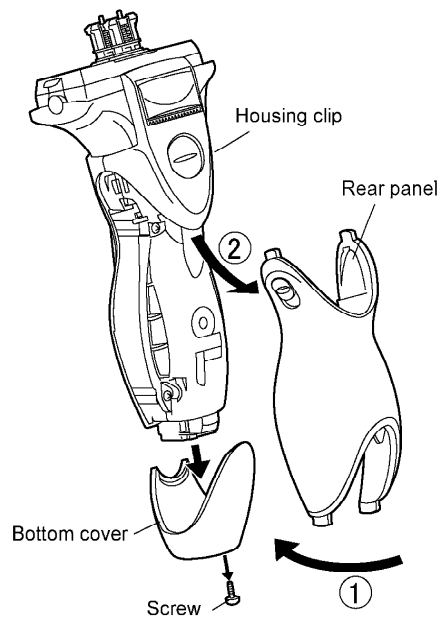
1. Remove the cap, the outer foil with foil frame and the inner blade.



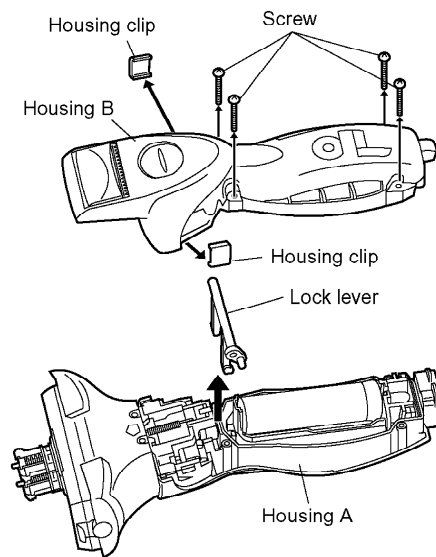
2. To remove the trimmer driving bar or the slit blade driving bar, press bars outward.



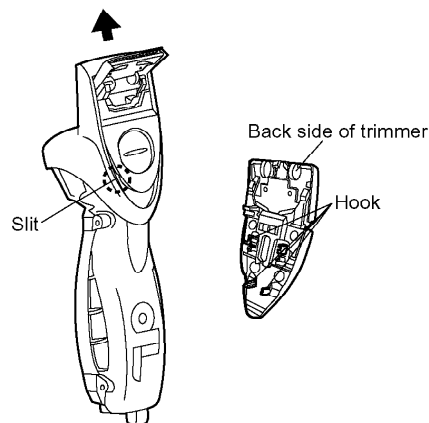
3. Loosen a screw and remove the bottom cover. Set the pivot action selector to "LOCK". Slide the rear panel and remove it with care of pivot action selector.



4. Remove the both side of housing clips. Loosen four screws and remove housing B. Take out the lock lever shaft.

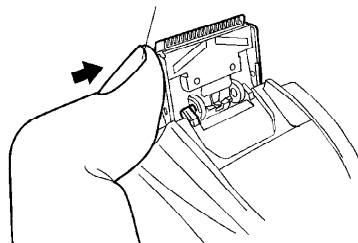


5. Slide the trimmer handle up to open the trimmer and unhook 2 locations on both side by inserting the slit with something like a slotted-head screw driver.

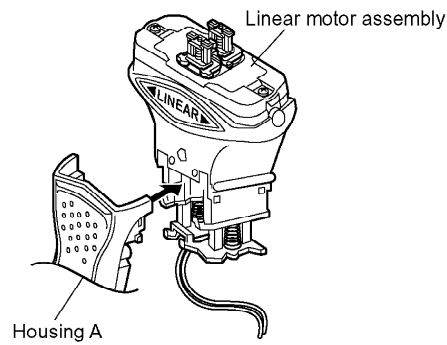


6. Remove trimmer and trimmer handle.

Unhook pressing on the side by finger.



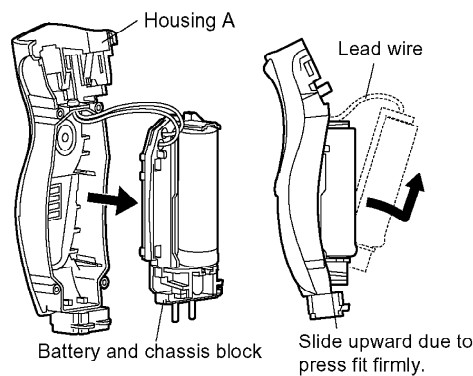
7. Move gently the linear motor assembly down and unhook it and remove the float springs from housing A.



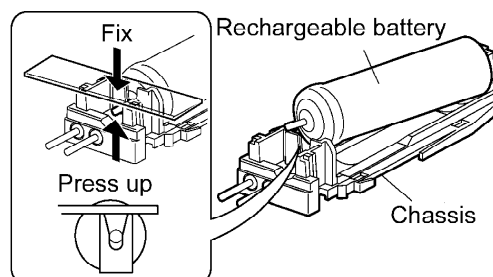
8. Pull up the battery and chassis block from the linear motor side first. Then, slide it upward and take it out from the housing A.

NOTE:

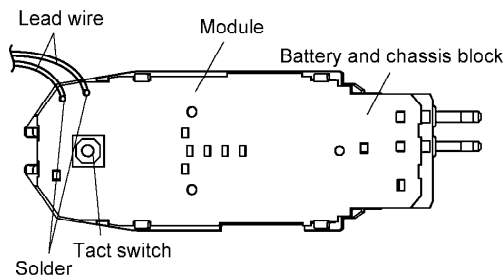
Do not pull the battery and chassis block forcefully due to connecting the linear motor by the lead wires.



9. Take out the battery from the chassis.



10. Unsolder the lead wires from the module.



3. ASSEMBLY INSTRUCTIONS

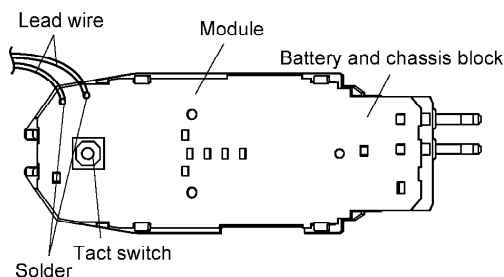
NOTE: When reassembling, replace the new waterproof rubber.

Make sure whether there is NO foreign substance sticking around a part covered with waterproof seal.

1. Solder the lead wires with the module.

NOTE:

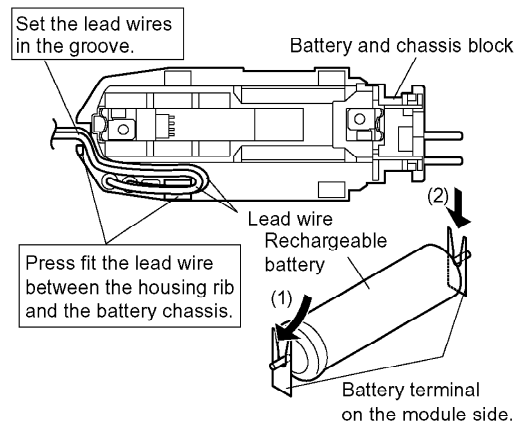
Make sure of the color of lead wires.



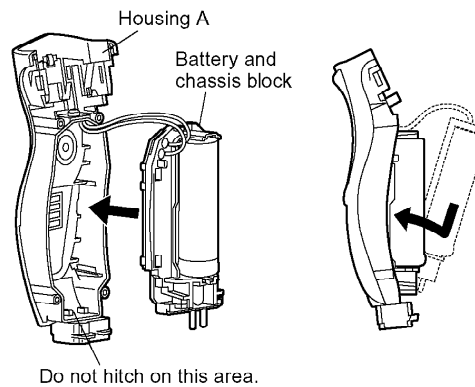
2. Make sure that the lead wires set in position. Install (+) terminal of battery into the terminal plate at the linear motor side and firmly set the battery sliding the direction of arrow. Attach (-) terminal of battery.

NOTE:

Fix the lead wires with the adhesive tape.



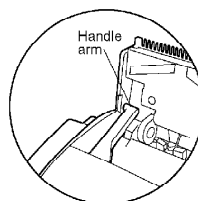
- 3. When inserting the battery and module assembly into the housing A, confirm if the module does not get any damage or deformation.**



- 4. In case of trimmer is removed;**
Make sure if the bosses of handle arm insert into the holes of trimmer. Align the bosses of housing with the holes of trimmer, and hook the trimmer. Then, slide the trimmer up and hook the both sides of trimmer handle.

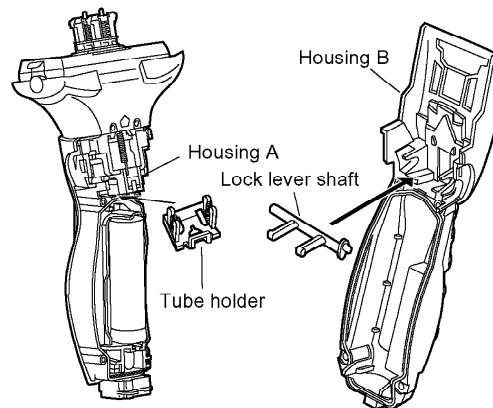
NOTE:

Confirm its operation or smooth movement of trimmer.

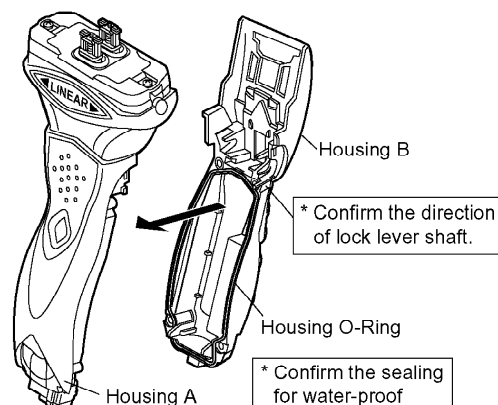


- 5. Set the linear motor assembly on the housing A and sliding it**

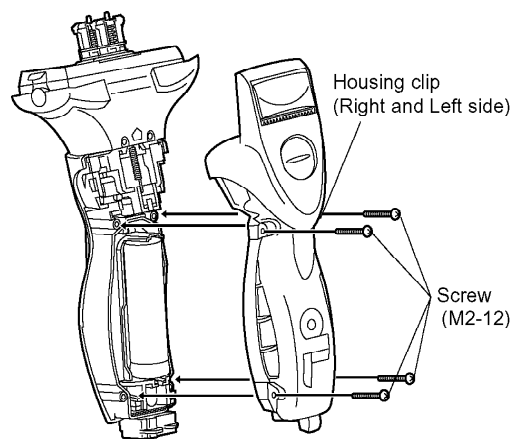
upward to hook. Confirm that the lead wire tube fits to the housing A firmly and no foreign substance sticking around. Attach the head block to housing A with care of the direction. And attach the rock lever shaft to housing B.



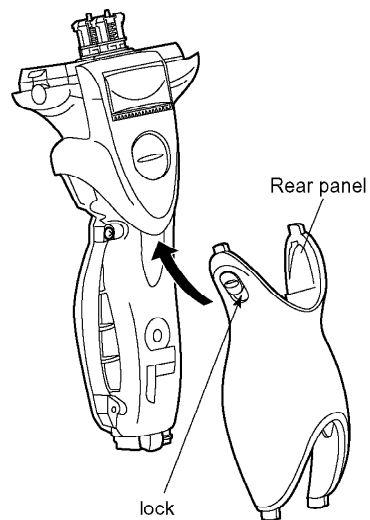
6. When putting the housing A and the housing B together, make sure if the waterproof seal must be fitted properly and no foreign substance sticking around.



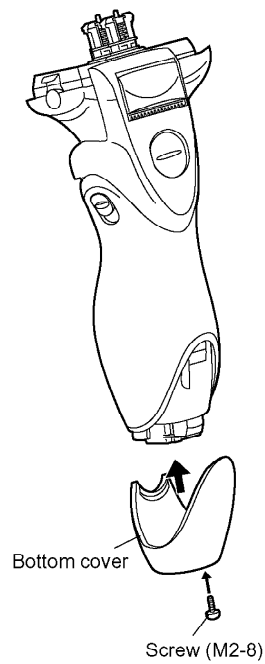
7. Tighten the four screws and set the housing clip.



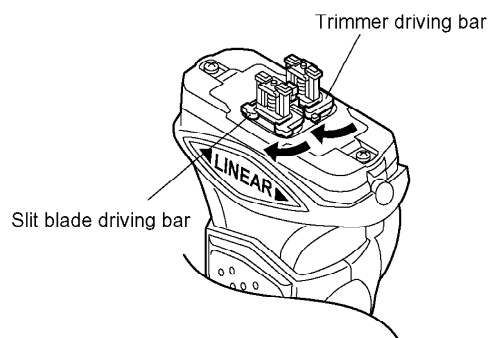
8. Attach the rear panel with the position "LOCK".



9. Set the bottom cover tighten with a screw.

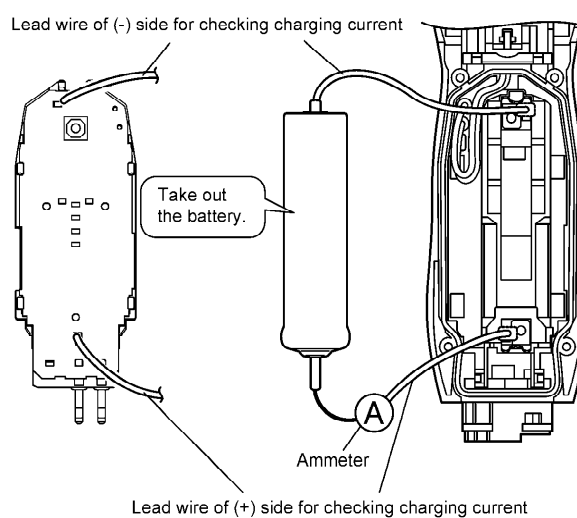
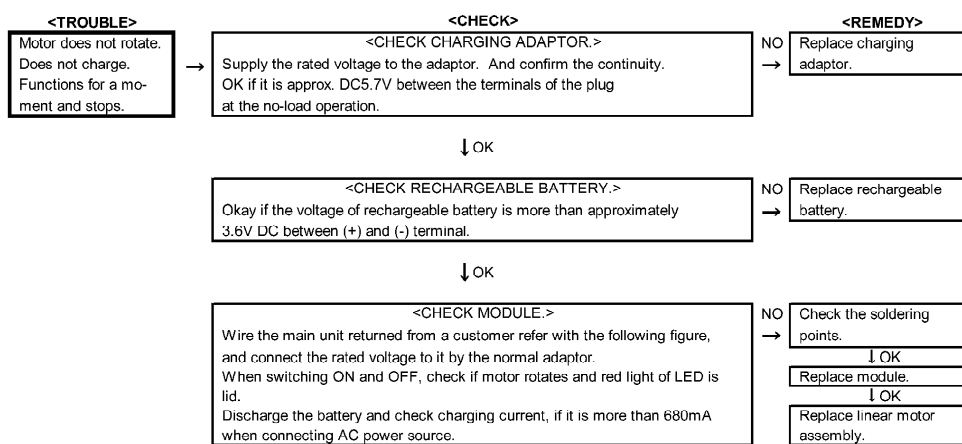


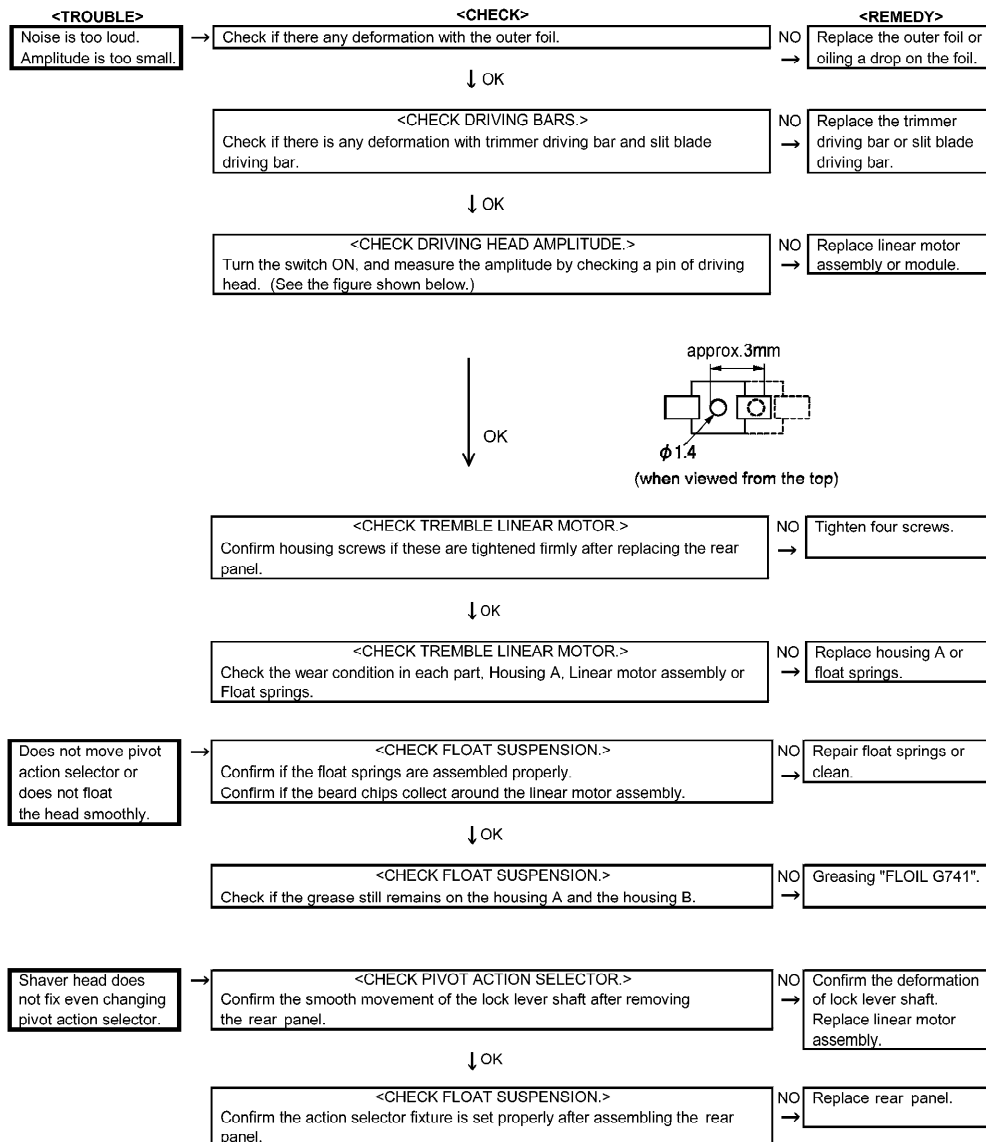
10. Set the trimmer driving bar and the slit blade driving bar.



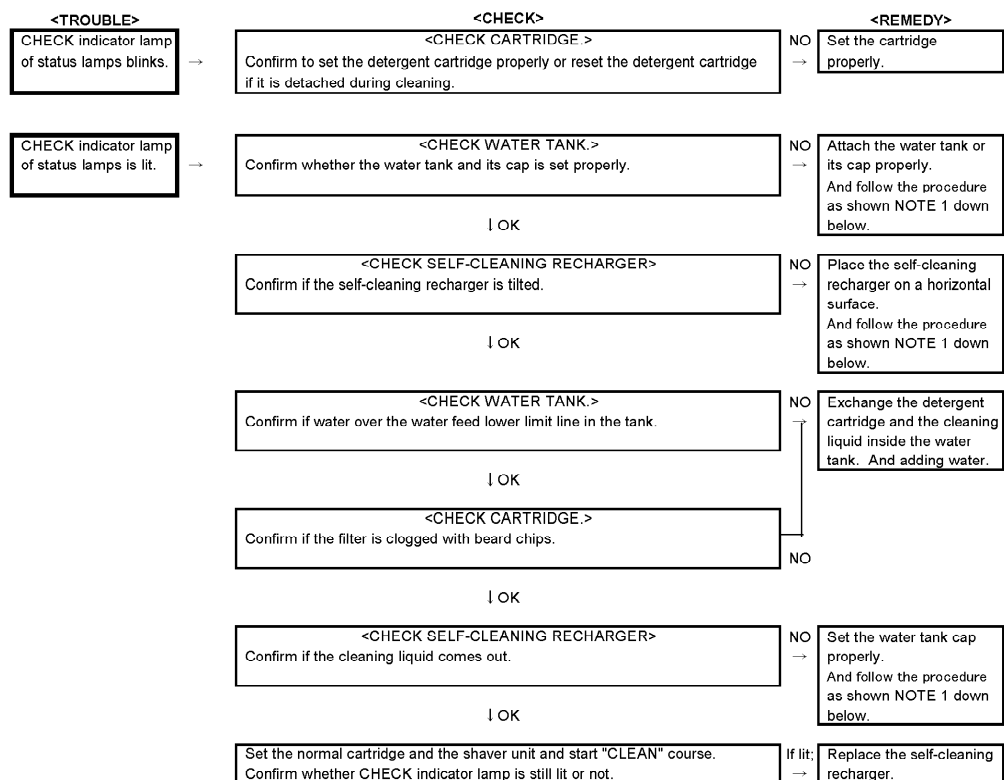
4. TROUBLESHOOTING GUIDE

4.1. Main unit and charging adaptor





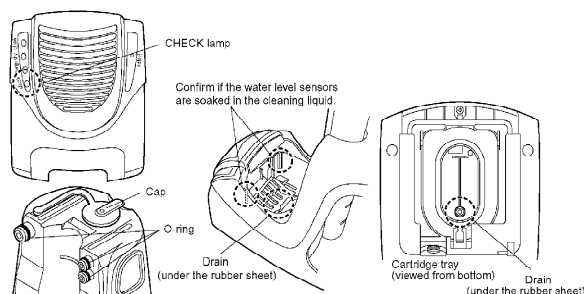
4.2. Self-cleaning recharger



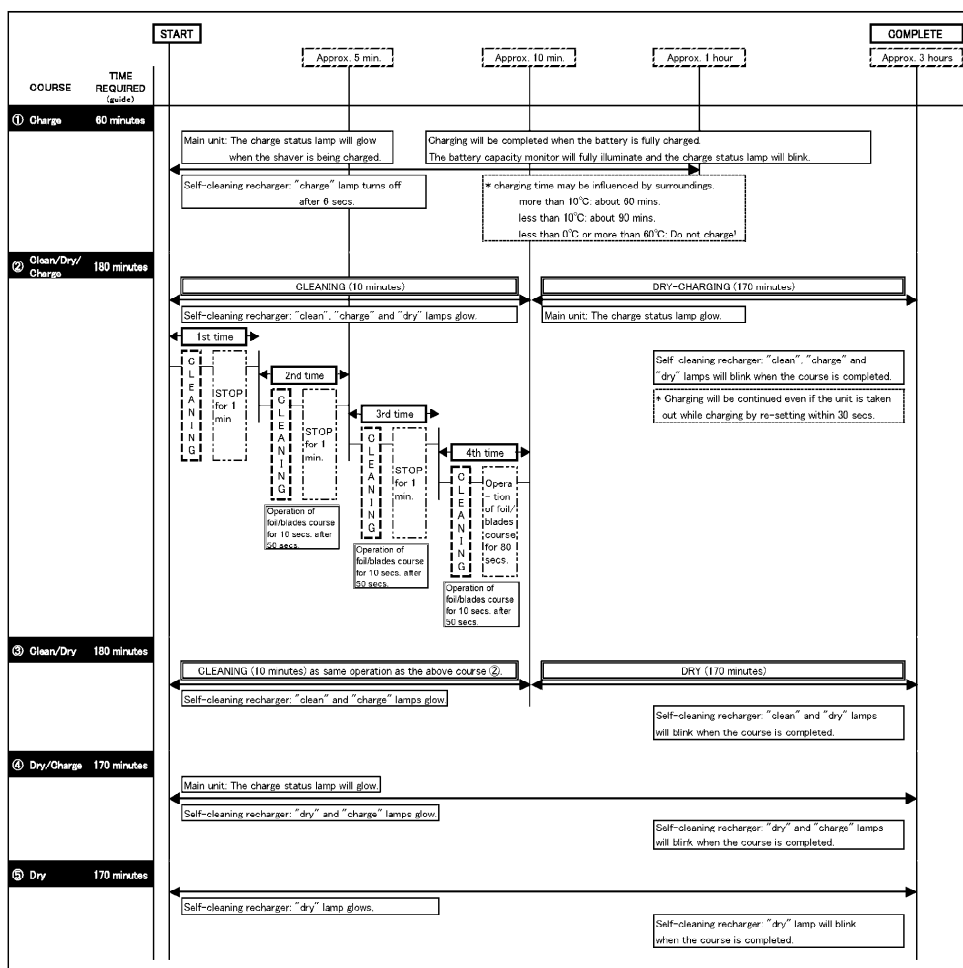
NOTE 1: Hold down the SELECT button for approximately two seconds to extinguish the CHECK indicator lamp.

NOTE 2: The course will be aborted if the power is cut off during cleaning.
Try to re-operate the course once again to exhaust the cleaning liquid on the cartridge tray.

NOTE 3: If the cleaning liquid remains the tray even the course is completed normally,
clean the drain and cartridge tray.



5. OPERATION OF SELF-CLEANING RECHARGER

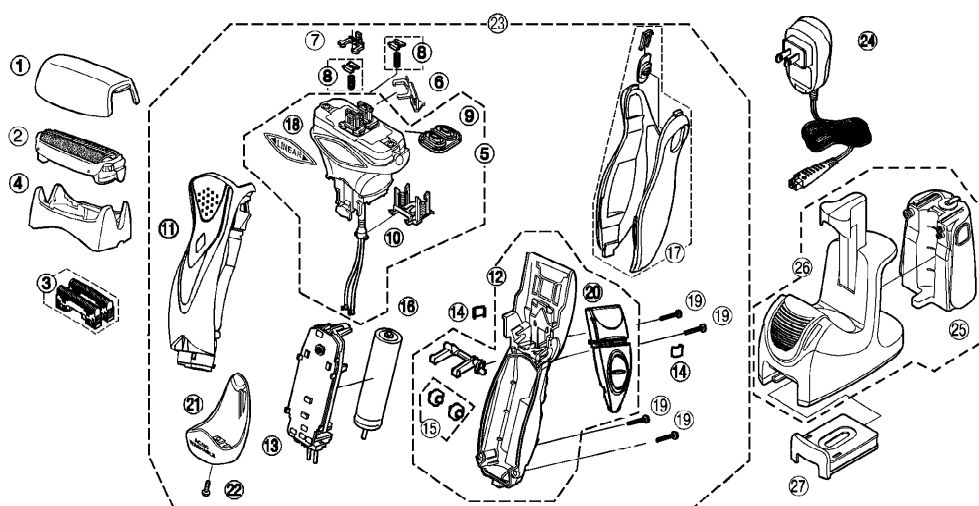


NOTE: When the shaver is set on the self-cleaning recharger, "Charge" course is selected automatically. Press the select button within six seconds to choose a difference course starting from ①⇒②⇒③⇒④⇒⑤⇒①.....

Course	Course selection indication			Course changed
	On self-cleaning recharger	clean	dry	charge
① Charge	—	—	● glow	All courses
② Clean/Dry/Charge	● glow	● glow	● glow	Course
③ Clean/Dry	● glow	● glow	—	Course
④ Dry/Charge	—	● glow	● glow	Courses
⑤ Dry	—	● glow	—	Courses

6. EXPLODED VIEW & REPLACEMENT PARTS LIST

6.1. ES8075



NOTE:

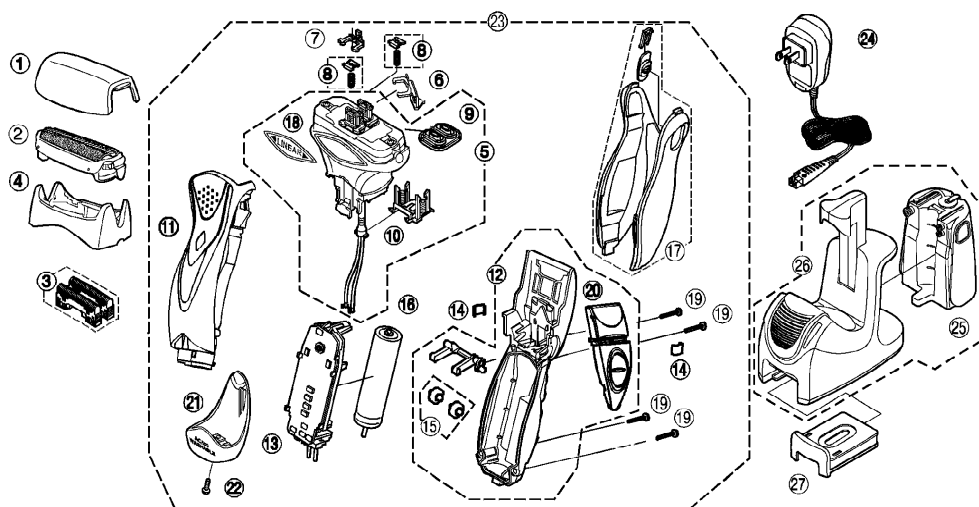
*A=available as an optional accessory

*B=only available as set

*C=available individually

Ref. No.	Part No.	Part Name & Description	Remarks			Per Unit
1	WES8044X7158	PROTECTIVE CAP			(BG)	1
2	WES9085PC	OUTER FOIL				1
3	WES9064PC	INNER BLADE				1ST
4	WES8075W0048	OUTER FOIL FRAME			(BG)	1
5	WES8075L1008	LINEAR MOTOR ASSEMBLY			(BG)	1
6	WES8044L1088	TRIMMER DRIVING BAR			(BG)	1
7	WES8046L1077	SLIT BLADE DRIVING BAR			(BG)	1
8	WES8046L0587	SPRING AND STOPPER	*B	(2SETS/PK)	(BG)	2
9	WES8176L0327	WATERPROOF RUBBER				1
10	WES8044L0228	TUBE HOLDER			(BG)	1
11	WES8075W3058	HOUSING A			(BG)	1
12	WES8075W3068	HOUSING B			(BG)	1
13	WES8075L2128	MODULE			(BG)	1
14	WES8176L0167	HOUSING CLIP	*C			2
15	WES8046L0377	ROLLER	*B	(2SETS/PK)	(BG)	2
16	WES8163L2509	RECHARGEABLE BATTERY		LM-ION		1
17	WES8044K3368	REAR PANEL			(BG)	1
18	WES8078S3348	LOGO PLATE			(BG)	1
19	WES8176L6007	P TIGHT SCREW	*C	M2-12		4
20	WES8044K1508	TRIMMER			(BG)	1
21	WES8075H3848	BOTTOM COVER			(BG)	1
22	WES8176L6057	TAPPING SCREW		M2*8		1
23	WES8075S3038	BODY BLOCK			(BG)	1
24	WES8044K7658	CHARGING ADAPTOR		A-2 PLUG	(BG)	1
25	WES8176A7357	WATER TANK				1
26	WES8078H4218	SELF-CLEANING RECHARGER			(BG)	1
27	WES035K7770	DETERGENT CARTRIDGE	*B	(3PCS/PK)		3
-	WES8075S8008	INDIVIDUAL BOX			(BG)	1
-	WES8078S8108	OPERATING INSTRUCTIONS			(BG)	1

6.2. ES8077



NOTE:

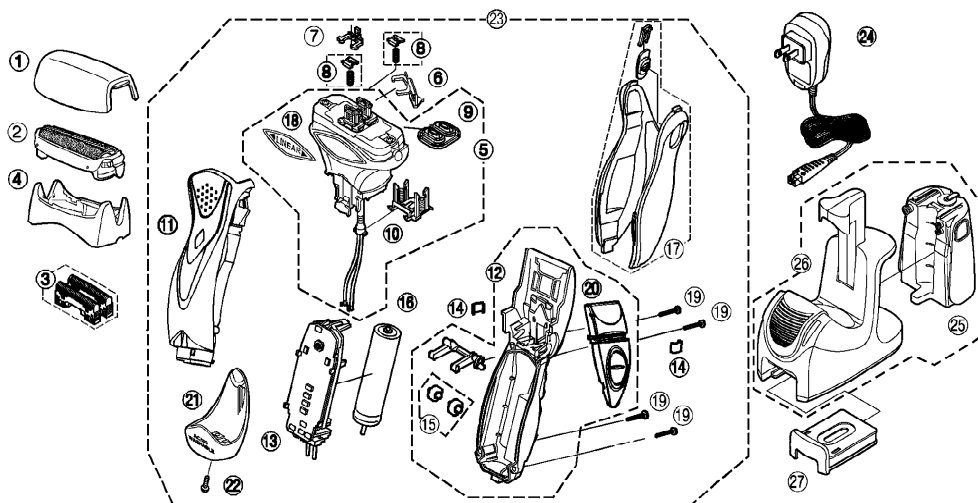
*A=available as an optional accessory

*B=only available as set

*C=available individually

Ref. No.	Part No.	Part Name & Description	Remarks			Per Unit
1	WES8044X7158	PROTECTIVE CAP			(BG)	1
2	WES9085PC	OUTER FOIL				1
3	WES9064PC	INNER BLADE				1ST
4	WES8077N0048	OUTER FOIL FRAME			(BG)	1
5	WES8077L1008	LINEAR MOTOR ASSEMBLY			(BG)	1
6	WES8044L1088	TRIMMER DRIVING BAR			(BG)	1
7	WES8046L1077	SLIT BLADE DRIVING BAR			(BG)	1
8	WES8046L0587	SPRING AND STOPPER	*B	(2SETS/PK)	(BG)	2
9	WES8176L0327	WATERPROOF RUBBER				1
10	WES8044L0228	TUBE HOLDER			(BG)	1
11	WES8077N3058	HOUSING A			(BG)	1
12	WES8077N3068	HOUSING B			(BG)	1
13	WES8078L2128	MODULE			(BG)	1
14	WES8176L0167	HOUSING CLIP	*C			2
15	WES8046L0377	ROLLER	*B	(2SETS/PK)	(BG)	2
16	WES8163L2509	RECHARGEABLE BATTERY		LM-ION		1
17	WES8044K3368	REAR PANEL			(BG)	1
18	WES8078S3348	LOGO PLATE			(BG)	1
19	WES8176L6007	P TIGHT SCREW	*C	M2-12		4
20	WES8044K1508	TRIMMER			(BG)	1
21	WES8077H3848	BOTTOM COVER			(BG)	1
22	WES8176L6057	TAPPING SCREW		M2*8		1
23	WES8077S3038	BODY BLOCK			(BG)	1
24	WES8044K7658	CHARGING ADAPTOR		A-2 PLUG	(BG)	1
25	WES8176A7357	WATER TANK				1
26	WES8078H4218	SELF-CLEANING RECHARGER			(BG)	1
27	WES035K7770	DETERGENT CARTRIDGE	*B	(3PCS/PK)		3
Ref. No.	Part No.	Part Name & Description	Remarks			Per Unit
-	WES8077S8008	INDIVIDUAL BOX			(BG)	1
-	WES8078S8108	OPERATING INSTRUCTIONS			(BG)	1

6.3. ES8078



NOTE:

*A=available as an optional accessory

*B=only available as set

***C=available individually**

Ref. No.	Part No.	Part Name & Description	Remarks			Per Unit
1	WES8044X7158	PROTECTIVE CAP			(BG)	1
2	WES9085PC	OUTER FOIL				1
3	WES9064PC	INNER BLADE				1ST
4	WES8078S0048	OUTER FOIL FRAME			(BG)	1
5	WES8078L1008	LINEAR MOTOR ASSEMBLY			(BG)	1
6	WES8044L1088	TRIMMER DRIVING BAR			(BG)	1
7	WES8046L1077	SLIT BLADE DRIVING BAR			(BG)	1
8	WES8046L0587	SPRING AND STOPPER	*B	(2SETS/PK)	(BG)	2
9	WES8176L0327	WATERPROOF RUBBER				1
10	WES8044L0228	TUBE HOLDER			(BG)	1
11	WES8078S3058	HOUSING A			(BG)	1
12	WES8078S3068	HOUSING B			(BG)	1
13	WES8078L2128	MODULE			(BG)	1
14	WES8176L0167	HOUSING CLIP	*C			2
15	WES8046L0377	ROLLER	*B	(2SETS/PK)	(BG)	2
16	WES8163L2509	RECHARGEABLE BATTERY		LM-ION		1
17	WES8044K3368	REAR PANEL			(BG)	1
18	WES8078S3348	LOGO PLATE			(BG)	1
19	WES8176L6007	P TIGHT SCREW	*C	M2-12		4
20	WES8044K1508	TRIMMER			(BG)	1
21	WES8078H3848	BOTTOM COVER			(BG)	1
22	WES8176L6057	TAPPING SCREW		M2*8		1
23	WES8078S3038	BODY BLOCK			(BG)	1
24	WES8044K7658	CHARGING ADAPTOR		A-2 PLUG	(BG)	1
25	WES8176A7357	WATER TANK				1
26	WES8078H4218	SELF-CLEANING RECHARGER			(BG)	1
27	WES035K7770	DETERGENT CARTRIDGE	*B	(3PCS/PK)		3
-	WES8078S8008	INDIVIDUAL BOX			(BG)	1
-	WES8078S8108	OPERATING INSTRUCTIONS			(BG)	1